



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

004832

D407-558-045
Job Sheet 180707



Part No: D407-558-045

Job Qty: 2 ea

Part Name: Single Mirror Installation



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/12/18

Job Tracking No:

Due Date: 8/17/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV D IPP Rev:A 09-01-15 new issue DD verified by:ec IPP Rev:B 10.06.17 added grommet DD
verf:EC IPP REV:C 11.01.19 AS PER chg002 DD VERF:EC IPP REV:D 12.04.04 AS PER chg003 DD
VERF:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	8/17/18	8/17/18	0.00	0.00	Start Up Small Fab-4		JUL 20 2018 SmB
110	Small Fab	2 pcs	8/17/18	8/17/18	0.00	2.02	Small Fab-5		DAS 38 AT 18/08/09 SmB
120	QC	2 pcs	8/17/18	8/17/18	0.00	0.00	QC5		DAS 38 AT 18/08/09
125	Packaging	2 pcs	8/17/18	8/17/18	0.00	0.00	Packaging1-4		DAS 38 AT 18/08/09
130	QC	2 pcs	8/17/18	8/17/18	0.00	0.00	QC4		DAS 38 AT 18/08/09
135	DC	2 pcs	8/17/18	8/17/18	0.00	0.00	DC		DAS 38 AT 18/08/09
140	Packaging	2 pcs	8/17/18	8/17/18	0.00	0.00	Packaging3-2		DAS 38 AT 18/08/09
150	QC21-FG	2 Ea	8/17/18	8/17/18	0.00	0.00	QC21		DAS 38 AT 18/08/09

Part Op 110 - Assemble as per Dwg D206-558

Descriptions: 135 - Photocopy bluefile and type labels as per PPP D407-558-045 CHG003

140 - Identify and pack for shipping as per PPP D407-558-045 LOCATION: FG011

DAS
21
9-89

AUG 29 2018

004858

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																																	
Date : _____		Step #: _____		QTY Effective : _____		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																																													
Description Work Order Deviation				Disposition																																																																															
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Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2011-101	Mirror 6"	2 Ea (1 ea)	90-Start up Operation	5083123
D2052	Bracket	4 Ea (2 ea)	90-Start up Operation	F16SL48 X3 SO 5717AX1
D2054	Bushing - Delrin	4 Ea (2 ea)	90-Start up Operation	5031100
D2055	Clamp	2 Ea (1 ea)	90-Start up Operation	5094937
D2056	Bell Crank Assembly	2 Ea (1 ea)	90-Start up Operation	5084397
D2057	Plug	2 Ea (1 ea)	90-Start up Operation	507980
D2065	Mirror Arm	2 Ea (1 ea)	90-Start up Operation	5093518
MS21042L3	Nut	4 Ea (2 ea)	90-Start up Operation	5078167
MS27039-1-18	Screw	4 Ea (2 ea)	90-Start up Operation	F124326
NAS1149D0363J	Washer	8 Ea (4 ea)	90-Start up Operation	501269
AN3-4A	Bolt	8 Ea (4 ea)	125-Packaging	5000003
AN526-1032R9	Screw	8 Ea (4 ea)	125-Packaging	F1137736-4
D2053	Bracket	2 Ea (1 ea)	125-Packaging	5027174X1
D2067	Connector	2 Ea (1 ea)	125-Packaging	5092101
D2071-5	Cable	2 Ea (1 ea)	125-Packaging	F154862
D3778-3	Bracket	2 Ea (1 ea)	125-Packaging	5074772
MS21042L3	Nut	2 Ea (1 ea)	125-Packaging	5089340
MS21919-DG5	Clamp	4 Ea (2 ea)	125-Packaging	5082552
MS35489-67	Grommet	2 Ea (1 ea)	125-Packaging	F1121000
MS35489-9	Grommet	2 Ea (1 ea)	125-Packaging	F1136044
NAS1149D0332J	Washer	12 Ea (6 ea)	125-Packaging	5035390

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D2011-101	2	30	0
	D2052	4	19	0
	D2054	4	21	0
	D2055	2	0	0
	D2056	2	14	0
	D2057	2	18	0
	D2065	2	2	0
	MS21042L3	4	1,920	0
	MS27039-1-18	4	1,260	0
	NAS1149D0363J	8	1,444	0
125-Packaging	AN3-4A	8	265	0
	AN526-1032R9	8	64	0
	D2053	2	5	0
	D2067	2	0	0
	D2071-5	2	4	0
	D3778-3	2	2	0
	MS21042L3	2	1,920	0
	MS21919-DG5	4	48	0
	MS35489-67	2	30	0
	MS35489-9	2	33	0
	NAS1149D0332J	12	1,499	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

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DART AEROSPACE Container No: S100380 Part: D407-558-045 Job No: 180707 Serial No/Batch: S100380 Revision: Inspector: Exp Date: Instructions: TC STC SH92-17 Issue 7 del FAA STC SH1031N		Lead hand / Supervisor Approval Verification																																																																																						
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Kim Johnston

From: Sonia Quirion
Sent: Thursday, August 09, 2018 12:03 PM
To: Kim Johnston
Subject: p/w

D407-558-045 x4

and l/b S100380 x2 s100352 x2

D206-558-041 S100168 x1 just l/b

Change Record

PAGE 1 OF 1

Part Number: D407-558-045Description: SINGLE MIRROR INSTALLATION[illegible]

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-558-041	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 206A/B/L/L1/L3/L4	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D206-558-043	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 206A/B/L/L1/L3/L4	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg
D407-558-045	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 407	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D407-558-047	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 407	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg

5.0 PARTS LIST

Qty -041	Qty -043	Qty -045	Qty -047	Part Number	Description
X				D206-558-041	SINGLE CARGO MIRROR ASSEMBLY
	X			D206-558-043	DUAL CARGO MIRROR ASSEMBLY
		X		D407-558-045	SINGLE CARGO MIRROR ASSEMBLY
			X	D407-558-047	DUAL CARGO MIRROR ASSEMBLY
1	2	1	2	D2011-101	MIRROR ASSEMBLY
2	2	2	2	D2052**	BRACKET
1	1	1	1	D2053	BRACKET
2	2	2	2	D2054**	BUSHING
1	1	1	1	D2055**	CLAMP
1	1	1	1	D2056**	BELLCRANK ASSEMBLY
1		1		D2057	PLUG
1		1		D2065	ARM
	1		1	D2066	ARM
1	1	1	1	D2067	CONNECTOR
1	1			D2071	CABLE ASSEMBLY
		1	1	D2071-5	CABLE ASSEMBLY
1	2	1	2	D3014-1*	LOCKNUT
1	1			D3778-1	BRACKET
		1	1	D3778-3	BRACKET
4	4	4	4	AN3-4A	BOLT
4	4	4	4	AN526-1032R9	SCREW
1	2	1	2	NAS1149D0416P*	WASHER (AN960JD416L)
4	4	4	4	NAS1149D0363P**	WASHER (AN960JD10)
6	6	6	6	NAS1149D0332P	WASHER (AN960JD10L)
3	1	3	1	MS21042-3	NUT (or MS21042L3)
	2		2	MS21042-3**	NUT (or MS21042L3)
2	2	2	2	MS21919DG5	CLAMP
2	2	2	2	MS27039-1-18**	SCREW
1	1	1	1	MS35489-9	GROMMET
1	1	1	1	MS35489-67	GROMMET

* INCLUDED AS PART OF D2011-101 MIRROR ASSEMBLY

** INCLUDED AS PART OF D2066 ARM (REF. -043/-047 ONLY)

